

November 10, 2003

**Project 184 Weekly Update**  
**Website: [www.project184.org](http://www.project184.org)**

Summary of Environmental Planning and Compliance Activities  
For Project 184

*Week Starting November 10, 2003*

Mill to Bull Tunnel

Macauley Construction initiated restoration construction activities this week at the Alder transfer yard. Prior to any earthmoving activities, Macauley crews installed applicable SWPPP, BMPs and are covering recently graded areas to minimize potential for erosions and sediment transport. G. Bischel of the District and K. Pence of EN2 Resources are serving as the construction and environmental inspectors, respectively.

Tunnel Spoils Update

Carlton Engineering performed sampling at 22 locations at three different stockpile sites and concluded that the tunnel spoils test results reflected less than .025mg/l TPH of Hydraulic Oil (soluble).

Canal Bench Restoration

GBI completed concrete flume box transport from the helicopter staging areas to the SPI Plum Creek staging and storage area. Decker completed the remaining pinning of the erosion control fabric on the Canal Bench and performed SWPPP BMP maintenance as directed by G. Bischel and K. Pence.

Mill Creek Bore Hole (Diversion Tie-In to Mill to Bull Tunnel)

Remaining District comments on the Draft Initial Study and Proposed Negative Declaration were due to EN2 Resources by October 31. The report needs to be completed and submitted to the State Clearinghouse to start the mandatory 30-day public and agency review period before the District Board can act on the Project.

Lake Aloha Telemetry and Dam Maintenance

JRP Historical provided a proposed bid and scope of work to complete National Register of Historic Places eligibility evaluations for the Lake Aloha Main Dam and Auxiliary Dams. This work is one of several evaluations required by the Historic Properties Management Plan that the District must complete before the District can obtain agency permits to proceed with the dam repairs and installation of the telemetry station. The District is working to perform the dam maintenance and telemetry station work during September and October 2004.

Echo Lake Conduit Repairs

Camp 5 staff (D. Buel) and EN2 Resources (R. Lind) worked with Carlton Engineering, Inc. (R. Bowersox) this week to address potential construction scheduling and water system operation constraints for needed repairs to the conduit system. The District needs to take into account both the existing FERC license and the new FERC license to be

issued next year, which will include new conditions as provided in the Relicensing Settlement Agreement. The District is evaluating the potential for implementing repair work beginning late summer 2004.

#### Powerhouse Water Quality Monitoring

Limited water quality monitoring was conducted this week during testing of Unit No. 2 generation. District staff (M. Korkowski) coordinated with SMUD on downstream turbidity monitoring at the Camino Powerhouse, and EN2 Resources monitored Forebay water quality. District staff is working with SMUD staff on developing a coordinated program for required turbidity monitoring in the vicinity of both powerhouses.

#### Best Management Practices/SWPPP:

Camp 5 crews have surveyed all open permit areas to determine the amount of Storm Water protection required. Materials are on order and we are preparing for changing weather. Plum creek spoils area will be cleaned up and ready for weather by end of this week. Camp 2 shortcut road has been winterized as requested by agencies.

#### Alder Creek Spoils Handling Site Restoration:

The District Board has awarded the restoration contract for the Alder spoils transfer area work to Macauley Construction at its last Board meeting. Construction commenced work on November 2., and work is expected to take about 2-3 weeks total. SWPP measures/BMPS will be installed in advance of earth moving in the restoration work areas. The project inspectors, Gary Bischel and Ken Pence will be on-site daily during initial work and also prior to and during forecasted rain events to direct the contractor on SWPPP actions. If you have any questions regarding the District's plans to wrap-up this final element of the Mill to Bull Tunnel project activities, please feel free to contact the District's Project Manager, Dan Downey, at (530) 642-4176 or me.

**Note: Higher flows are expected beginning October 28<sup>th</sup> through the end of the year in Silver Creek, Caples Creek, and South Fork of the American River. Our flows in the canal system will also be increased to maximum flow levels while we commence dynamic flume testing, and Power Generation.**

#### Powerhouse Update:

The powerhouse was released by PG&E for generation Friday, November 7, 2003. EID has further testing to perform to complete commissioning, however EID generated power on Unit # 1 all day Saturday November 8, 2003, for 10 hours at 3.3KW output. Unit # 2 generated power all day Sunday, November 09, 2003, for 10 hours at 3.5KW. Load rejection testing scheduled for this week to allow EID to test full Load of 10KW output on each unit, and emergency shutdowns. PG&E will return within two weeks to perform 10kw load checks on both units.

## **Canal**

Dynamic flume testing is scheduled to commence as the powerhouse completes commissioning, and testing.

EID project signs have been ordered, and are scheduled to be deployed on EID facilities in December. Deer Fencing has been inspected, and surveys completed to address the repair and replacement of deer fencing in 2004. Updated maps reflect current locations of deer fencing.

The flows in the canal are being increased to maximum flow levels while we commence dynamic flume testing, and Power Generation. The canal is being patrolled on a daily basis and there have been no major problems found which would prevent the canal to be filled to its capacity. SCADA is being manned 24 hours a day to insure the reliable and safe operation of the canal.

The residence houses located on the canal have been filled by Camp #5 Hydro employees which will insure the reliable and safe operation of the canal, during extreme weather conditions.

Goodfellows is still hauling concrete sections of flume from the staging area to Sierra Pacific Industries property at Plum Creek. This part of the project will take two weeks. Use caution when using the Plum Creek road due to the heavy truck traffic. The snow has caused minor delays on clean up and hauling of the concrete flume sections.

EID crews are working at the Staging areas dismantling the old flume and structures, which were located on the canal bench. The reusable material is being hauled to Camp #5 and stock piled, the trash is being hauled to a landfill. The snow has caused minor delays in the work but everything should be back on course.

EID is doing engineering and getting bids on the slide between Flumes 6 and 7. The plan is to fly a drill rig in and set it below the canal. Horizontal drains would be installed to relieve the water pressure against the canal section. Flights will be from the Lower Portal of Alder Creek and Flumes 6 and 7. EID plans on commencing this work November 13, 2003, and should be completed by November 24, 2003.

A letter has been sent to Sierra Pacific Industries requesting permission to install a gate on the access road into Flumes 39 & 40. The work on repairing the slide is processing and the replacing of the generator has taken place. It was noted that there were several stringers that were rotted under the flume and decided to replace them while the crew was in the area. The repairs should be done this week.

The work has been complete at the Alder Creek Diversion Dam but due to the Fire conditions in Southern California EID has not been able to secure a helicopter to fly the unused material and tools from the site. The work required changing the sluice gate, repairing the grizzly gate, repair work on the upstream face of the diversion structure and moving some rocks off the side of the flow channel. The repairs required welding and cement based grout work. All work was done in compliance with our Stream Alteration Agreement.

Work will start this week on the slides 6&7, and 39-40, and the Alder Creek Restoration project on the Lower Portals of Alder Creek Road. The contractor will be Macauley Construction and EID will have an inspector on the site over seeing the work.

**Training- Mike Taylor /USFS El Dorado National Forest Conducted this Training:**

This Noxious Weed Training was given by the Forest Service on the proper way of cleaning the equipment before it is moved from one location to another to minimize the transporting of noxious weeds. The class was presented professionally and was well received by the employees. There are EID employees assigned to inspect the equipment for being clean before it is allowed into the field. EID has an Equipment Cleaning Log at camp 5 for all equipment transported in forest. Ken Pence with EN2 resources was also present to discuss the proper way to inspect equipment. **EID recommends that this training be given district wide, and also perform a workshop for the public.** Mike Taylor presents this topic very well.

**Echo Lake**

The flashboards have been removed from the spillway and the conduit has been shut down for the winter. A letter will be sent to the agency requesting permission to remove the EAP site for the winter, this is a normal request that is asked for annually.

Plans and a schedule are being drawing up to repair or replace the conduit and tunnel at Echo Lake in project phases over the next few years. The slumps and rock fall, which has occurred in the tunnel, have been surveyed and plans are being made to repair them. Safety fence has been installed around the areas of concern.

**Caples Lake**

Work has been completed on the rip raping of the Caples Lake Main Dam and Auxiliary Dam. EID is acquiring rock from the site at Tragedy Springs, which should help put to rest any concerns about noxious weeds. EID would like to thank the Forest Service and Ladd Construction Company for allowing the use of the rock. Also the trail at the parapet wall at the Auxiliary Dam is being graded and repaired.

The flashboards have been removed from the spillway and the facilities have been winterized.

**Silver Lake**

The radial gates are fully opened, the flashboards removed for winter and the facilities have been winterized. Weather permitting EID will attempt to install power conduit and complete Gate automation this year as directed by DSOD.

### **Lake Aloha**

EID is working closely with the proper agencies to acquire permits for Lake Aloha Dam to install a telemetry station and make repairs to the dam, planed for the fall of 2004. An inspection trip was made Oct.29 with US Forest Service, EN2 and EID to check the location of the telemetry site.

A visit was made October 29, 2003 to Lake Aloha.

Staff 5.64 = 29.5 af

**Listed below are the Projects readings for November 10, 2003,**

**Taken from SCADA:**

|               | <b>Staff</b> | <b>Ac. Ft.</b> | <b>Draft</b> |
|---------------|--------------|----------------|--------------|
| Echo Lake     | 0            | 0              | 0            |
| Echo Conduit  | 0            |                | 0            |
| Echo Creek    | 1.68         |                | 11.8cfs      |
| Caples Lake   | 51.48        | 16,135         | 62.8cfs      |
| Silver Lake   | 9.67         | 2,882          | 25.4cfs      |
| Pyramid Creek | 1.44=5.35cfs |                |              |

There is 60cfs being released into the canal at Intake and 64.2 cfs flowing in the South Fork of the American River at Intake.

A-17 Forebay Storage 3,7997.6 = 305af.

A-18 EID Irrigation Usage is 8.01 cfs.

Mark Korkowski  
Co-Head Hydro Operations  
530-647-5152

Steve Lindstrom  
Water System Supervisor  
530 647-5169